SECRETARY
OF DEFENSE

Design Awards

1990

FOLIO COLLECTION

1992 SECRETARY OF DEFENSE

Design Awards

Excellence by design is a play on words which describes our intent with the design awards program. We seek excellence in each and every project-from homes for our families to industrial parks supporting our installations-the Department builds. How do we achieve the quality that our customers want and deserve? If each of us insists on excellence in design and execution of our projects, the result will be far reaching and cumulative and will provide benefits for years to come. Excellence does not cost, but pays again and again in better customer satisfaction and better quality work.

This brochure—elebrating the winners of the 1990 Department of Defense Design competition—is intended to stimulate your thinking about new construction and renovation of existing assets to an even higher level of excellence. We will be remembered largely by the heritage we create and it is our choice as to whether succeeding generations will point with pride to our buildings or seek to quickly replace them.

Enjoy the brochure and resolve to make each of your future facilities a competitor in the next DoD Design Competition.

Excellent Installations—The Foundation of Defense

C 0 M P E T I T I 0 N J U D G E S

Each year the Office of the Secretary of Defense, in collaboration with the American Institute of Architects, the American Society of Landscape Architects, the American Consulting Engineers Council and the Institute of Business Designers, selects the Panel of Judges for the Design Awards Competition.
The members of the 1990 Panel were:

Mr. Charles E. Dagit, Jr.
Dagit Saylor Architects
Philadelphia, PA

Mr. George M. Notter, Jr.,
FAIA Notter Finegold+Alexander Inc.
Washington, DC

Mr. Joseph P. Paoluccio, AIA, PE
PWNA, Civil Mechanical Electrical Engineers
San Diego, CA

Mr. John G. Parsons, FASLA
National Park Service
Washington, DC

Mr. Elebert C. Ray, PE
Proctor/Davis/Ray Engineers, Inc.
Lexington, KY

Ms. Sonja Roberts, IBD
Business Design 1
Des Moines, IA

Mr. Roy J. Solfisburg III, FAIA
Holabird & Root
Chicago, IL

U.S. Air Force Space Command Headquarters
Peterson Air Force Base, Colorado

The Winner
This 250,000 square foot building provides the administrative and operational facilities necessary to the mission of the U.S. Air Force Space Command Headquarters. It is clad in deep-ribbed stainless steel and silver-blue reflective glass designed to convey a sense of advanced technology and the exploration of the space future. Skylights define the primary circulation spires, allowing natural light to flow into large open-plan work areas. The Headquarters is sited on a large flat expanse overlooking the front range of the Rocky Mountains and the steel and glass exterior offers a constantly changing mirror of both earth and sky.

The Design Agent
The Omaha District of the U.S. Army Corps of Engineers was the design agent. It serves the nation from the Rockies to the Great Lakes. The District, which has major design and construction responsibilities for both the Army and the Air Force, commenced operation in 1934 with initial concentration on civil works. World War II brought heavy involvement in military design and construction-a role continued today. The driving purpose of all District activities is to provide every customer the best service and the highest quality product. This purpose was well served in the design and execution of the Air Force Space Command Headquarters Building.

The Designer
Peckham Guyton Albers & Viets, Inc. is the architectural and planning firm which produced this outstanding design. PGAV, a firm of 110 professionals, has a 26-year business history. Professional services available from the firm range from architectural design to landscape architecture. PGAV s vision of the future states its design philosophy: *To create environments which contribute to the morale, safety and well-being of their users, so that, in turn, we will make our society more efficient and more productive. By our efforfs, we hope to make better places in which to work and our cities better places in which to live.*

David Grant Medical Center
Travis Air Force Base, California

The Winner
This is the largest and most complex replacement medical facility in Air Force history. At more than 800,000 square feet, the medical center and testing hospital contains 373 beds, three hyperbaric chambers, two linear accelerators, a Magnetic Resonance Unit, 16 specialty clinics and a 52-chair dental unit. It has been cited for setting new standards of excellence in design and construction management, having been built on time, within scope and under budget.

The Design Agent
Western Division (WESTDIV), Naval Facilities Engineering Command, was the design agent. WESTDIV is one of seven engineering field divisions responsible for the planning, design, construction and facilities management support of Navy shore activities (and other government clients). The forerunner of the Division was established in 1924 and, by 1970, precursor organizations had coalesced into the Western Division which has responsibility for activity in eight western states including Alaska. In its design operations, the Division produces its own design and supervises the work of private architect engineer firms under contract for government projects. WESTDIV has approximately 700 employees and its Headquarters is located in San Bruno, CA.

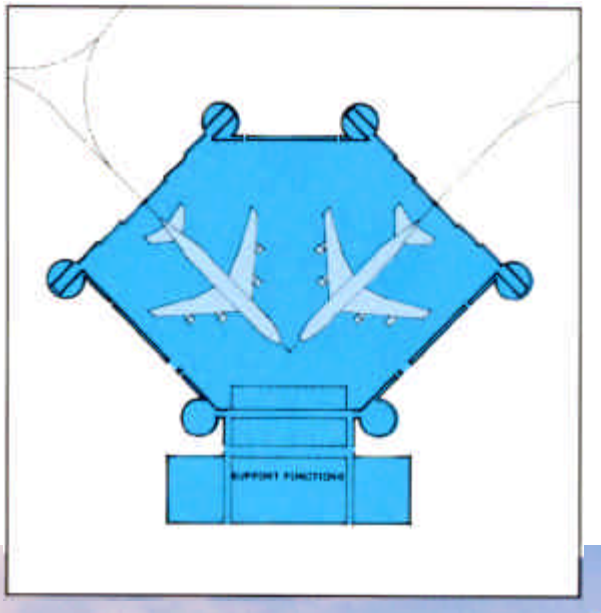
The Designer
NBBJ, a national planning and design firm, was responsible for this striking medical center. The firm offers complete architectural services which assures each client continuity and quality from site selection to construction administration. NBBJ, with eight off ices across the U. S., was established nearly fifty years ago and has been ranked as the second largest U.S. architectural firm by *Building Design & Construction Magazine.*

Air Force-I Maintenance and Support Complex
Andrews Air Force Base, Maryland

The Winner
This complex accommodates the two Boeing 747 and one C-20 aircraft which constitute the Presidential Fleet. Its high bay provides for aircraft storage while a lower structure houses a flight kitchen, offices for pilot and crew, and space for a contractor-operated base supply system. Landscaping, while minimal for security reasons, is attractively composed of lawns and low growing shrubs.

The Design Agent
The Chesapeake Division is one of seven engineering field divisions of the Naval Facilities Engineering Command. It manages planning, design and construction in its area for DoD and other government agencies. The Division does about $200 million worth of contracting each year. CHESDIV has more than 550 Navy Civil Engineer Corps officers and civilian employees at its Washington Headquarters.

The Designer
The Washington, DC office of DMJM (Daniel, Mann, Johnson & Mendenhall) provided the A/E services for the Air Force One complex. DMJM is one of the country s largest architectural and engineering firms and has been providing professional consulting services to private business and government agencies for more than fifty years. It has 25 offices and 1,500 professional employees. This team looks forward to building on past accomplishments as it strives for continued responsiveness and upholding its tradition of excellence.



Visitor s Center
Arlington National Cemetery, Virginia

The Winner

The Center provides a fitting reception area for the nearly four million people who visit the Cemetery each year. It serves as an introduction to the history and purpose of the Cemetery and provides information on its geographic layout. The Center is a onestory pavilion with symmetrical wings and is an adaptation of a neoclassic style which is compatible with its environment. It is monumental, yet restrained and, sitting discreetly behind a holly hedge amid oak trees, provides a dignified welcome to visitors.

The Design Agent

The Baltimore District of the U.S. Army Corps of Engineers was the design agent for the Visitor s Center. The District is one of 39 districts world-wide and one of only 14 that have a military construction and a civil works mission. Its accomplishments include fortification construction affecting the country s early development through flood control and river basin planning. In addition to the Visitor s Center, the District was also responsible for Arlington s Columbarium.

The Designer

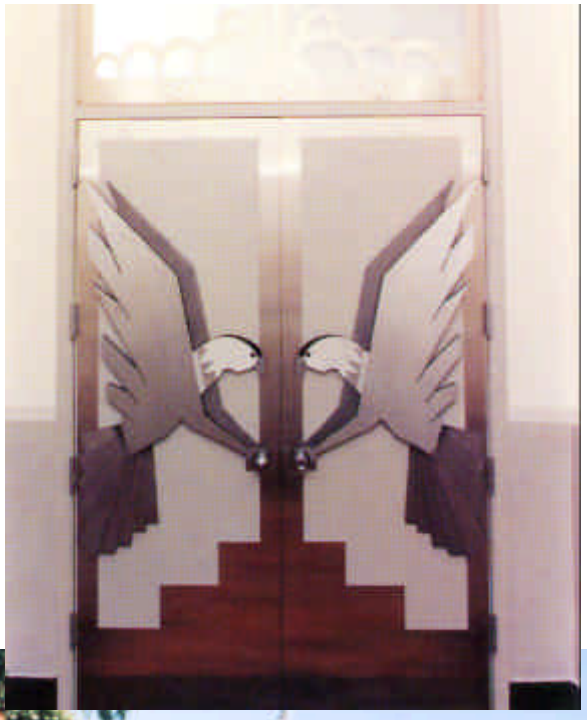
David Volkert & Associates designed the Center. The firm is an organization of engineers, architects, planners and environmentalists offering professional services throughout the world. It has an extensive record in design covering the gamut from building for educational, commercial, industrial and military use to highway and port construction. The Volkert vision commits the company to focus its professional capabilities toward enhancing America s future by improving the environment and the quality of life.

Headquarters Building
McClellan Air Force Base, California

The Winner
This Art Deco building, completed in 1938, required interior updating to bring it to modern office standards. The design accomplished the required modernization with an original construction look. The work also complied with historic preservation guidelines in keeping with the proposed historic preservation district being developed at McClellan. The overall effect, especially the cast bas-relief eagles that embellish the Conference Room doors, is dramatic.

The Design Agent
The Base Civil Engineering Squadron at McClellan executed the work required for this project. The quality of the work, in keeping with their credo of excellence, is a fine example of workmanship which closely follows the designer s intent and fully fleshes out her concept. The Squadron s responsibilities cover a wide variety of engineering services and support for McClellan and their efforts are a tribute to the fine impression the installation makes.

The Designer
Joy Sadler Tellier, an Air Force civilian Interior Designer, was responsible for the interior design of this successful project. Ms. Tellier, a member of the American Society of Interior Designers, has a broad background in design for housing, offices and lodging facilities. Her contributions range from initial conception of the design to construction execution. She also has demonstrated a commitment to historic preservation as can be seen from her work at both the federal and state levels. Ms. Tellier s work keeps interior design a strong claimant in the overall design process.



Chapel Center
Lackland Air Force Base, Texas

The Winner
The Chapel Center serves as a multi-faith worship center and as the setting for counseling, educational and social activities. The basic concept is the use of a pyramid to define the building as a spiritual and religious hub. This contemporary ecclesiastical expression, together with the use of a courtyard and richly-colored clay bricks and tiles, sites the project within its habitat. It provides a wonderful environment for reflection, while at the same time serving a wide variety of social and educational needs.

The Design Agent
The Fort Worth District of the U.S. Army Corps of Engineers was the design agent. The District, which was established in 1950, is responsible for water resources development in two-thirds of Texas and military design and construction in Texas, parts of Louisiana and New Mexico. Its responsibilities cover a 410,000 square mile area and it employs about 1,200 people. Its military design and construction responsibilities at the 24 Army and Air Force installations in its area include projects for schools, a solar telescope and a high-energy laser system. Fort Worth sees itself as sharing a wealth of experience and a firm commitment to excellence as it proudly moves into the future.

The Designer
V. Aubrey Hallum Architects/Planners was the design firm for the Chapel. It is a mid-sized architectural firm which provides professional design services in architecture, interior design, space planning and land planning. They have successfully completed commissions ranging from houses to churches. V. Aubrey Hallum, Architects/Planners, A.I.A., is a team of professionals whose objective is to produce well-designed projects on schedule and within budget. They are sensitive to, and have a special interest in, environmental issues and this concern characterizes all their work.

Page Manor Family Housing
Wright-Patterson Air Force Base, Ohio

The Winner

Page Manor Family Housing was constructed in the early 50s. This improvement project was undertaken as part of a master plan to develop a pleasing family neighborhood environment. The improvements made include sloped roofs, attractive entries, patios with privacy fencing and neighborhood-type exterior lighting. Landscaping was designed to emphasize family ownership of front and rear yards and common areas were made more attractive by the use of free-form sidewalks. All-in-all, a fine place to raise a family!

The Design Agent

The 2850th Air Base Wing, Base Civil Engineers, served as the design agent. This group, serving the needs of the Wright-Patterson community, has as its goal the provision of quality support and services to all its customers. Based on the success of the Page Manor project, this goal is being attained; sensitivity of the type that engendered these improvements is in all the work done under its purview.

The Designer

Edge & Tinney Architects, Inc. successfully met the challenges inherent in this improvement project. It is a 20-person firm based in Dayton, Ohio, and exemplifies a dynamic, creative small firm. Tom Edge started the firm in 1960 and in 1983 he and Jim Tinney joined forces to form the present highly successful organization. The firm offers a full range of comprehensive design services and also provides interior design, artwork and furniture. Edge and Tinney s approach is individual as shown by their operating philosophy- *While design excellence is the essence of our profession, it is the continued association and personal client relationship that distinguishes our record.*

Explosives Handling Wharf No.1
Naval Submarine Base, Kings Bay, Georgia

The Winner

This is a covered deep-water wharf large enough to accommodate a TRIDENT submarine and its missile handling operations. It is huge-two football fields long and 138 feet high and the cover building contains an independent controlled-environment two-story wharf support building with shops, an electrical substation and offices. Careful consideration was given to environmental factors in the construction of the wharf-for example, osprey nesting platforms were made an integral part of the lightning protection towers-and the overall design is sensitive to the surrounding topography.

The Design Agent

The Officer in Charge of Construction (OICC) was responsible for planning and overseeing construction of the Naval Submarine Base Kings Bay. The command, a field office of the Naval Facilities Engineering Command, was organized in 1974 to oversee construction of the west coast TRIDENT Submarine Base at Bangor, Washington. When the decision was announced in 1980 to build a similar facility at Kings Bay, OICC TRIDENT moved there to guide the effort. The quality of the work of the command is evident in this award-winning project.

The Designer

Fay, Spofford & Thorndike, Inc., a consulting engineering and planning firm wholly-owned by its employees, produced the design for the wharf. FST, with a professional staff of more than 200, consists of engineers and planners whose expertise ranges from civil through structural to environmental engineering. It is a full-service firm capable of handling a project from initial planning through the provision of services during construction. FST takes particular pride in the long-standing relationships it has developed with its many clients, believing that its repeat customers attest to the high quality of its services. Their watchword is *We re successful because we listen.*

Johnston Atoll Chemical Agent Disposal System, Central Pacific

The Winner

This is the free world s first full-scale production facility for disposal of lethal chemical munitions. It employs robotic materials handling and demilitarization equipment for dismantling and destruction of these munitions. It is a prototype facility serving as a technology test-bed for systems to be installed within the continental United States. Public safety and environmental protection were the overriding criteria in the design. The 73,000 square foot munitions demilitarization building houses the computer brain and four specialized incinerator systems. The complex is capable of processing more than 33,000 pounds of lethal chemical agent each day in a safe and environmentally acceptable way. The project won a first-time-ever Special Recognition Award because of its advanced engineering in materials handling and disposal of highly toxic chemicals.

The Design Agent

The Huntsville Division of the U.S. Army Corps of Engineers was the design agent. It was established in 1967 to manage design and construction of the SAFEGUARD Ballistics Missile Defense System. After completion of this system, Huntsville remained an operational division and was assigned new responsibilities. Unlike other Corps Divisions, Huntsville has no geographic boundaries, but rather has national and international responsibilities such as are typified by the Johnston Atoll project. Its programs include support to the Strategic Defense Initiative and environmental programs such as installation restoration and guide specifications. Its guidelines are summarized *by-Professionalism and Integrity; We re Proud to Sign Our Work.*

The Designer

The Stearns-Roger Division of United Engineers and Constructors and the Roger M. Parsons Company were jointly responsible for this project. Stearns-Roger provided design support, equipment procurement and installation and acceptance testing for the facility which they also operate and maintain. United, the parent company, has a team of over 6,000 professional and support people to bring their skills, experience and dedication to any project. United, which is organized around industry areas to focus on client needs and technological developments, sees quality as fundamental to its business. It says that delivering technical excellence on time and on budget is its consistent standard.

The Ralph M. Parsons Company prepared preliminary and final process design for the system. RMP was founded in 1944 and is now the world s largest full-service engineering/construction company. As part of the Parsons Corporation, it is the cornerstone of a group of engineering firms with more than 8,000 employees and worldwide experience in a variety of specialized markets. The Ralph M. Parsons Company provides a full range of services from feasibility studies through design, engineering, procurement and construction and project management. RMP s guide is summarized-success *in a global market means much more than simply doing business on an international scale Parsons strong client-service approach is unbounded by geographic or organizational constraints.*

Ceiba Tree Park
Ponce, Puerto Rico

The Winner

The Park was constructed to protect-through-use a majestic ceiba tree growing on the banks of the Portugues River in Ponce, Puerto Rico. The tree, reportedly the largest in Puerto Rico, is estimated to be several hundred years old. The tree s root system is protected and enhanced by a fenced 50 foot diameter feeding and breathing area covered with vegetation. Paving stones surrounding this area permit visitors to enjoy the tree without interfering with its living space. The remainder of the park includes a gazebo, grass, native trees and flowering shrubs. The park is a striking setting for the ceiba tree and a welcome resting spot for residents and visitors.

The Design Agent

The Jacksonville District, U.S. Army Corps of Engineers, was the design agent. It is responsible for civil works missions in peninsular Florida, Puerto Rico and the U.S. Virgin Islands. This mission includes investigating problems, considering solutions and recommending action to Congress to conserve and develop water resources. In both the military and water resources fields, it seeks to improve quality of life, develop needed water and energy resources, and protect important natural and cultural assets the latter aim certainly attained in the Ceiba Tree Park.

The Designer

Jorge del Rio, FAIA, Architect and Planner, was the designer for this delightful park. The firm was established in Puerto Rico in 1962 and has evolved into a comprehensive professional organization whose approach allows it to expand its basic team with consultants depending on individual project requirements. Mr. del Rio, principal of the firm, believes that this permits better cost control and allows more effective use of human resources. The quality of the firm s work is attested to by the numerous awards it has won over the years, and is clearly evident in the Ceiba Tree Park.